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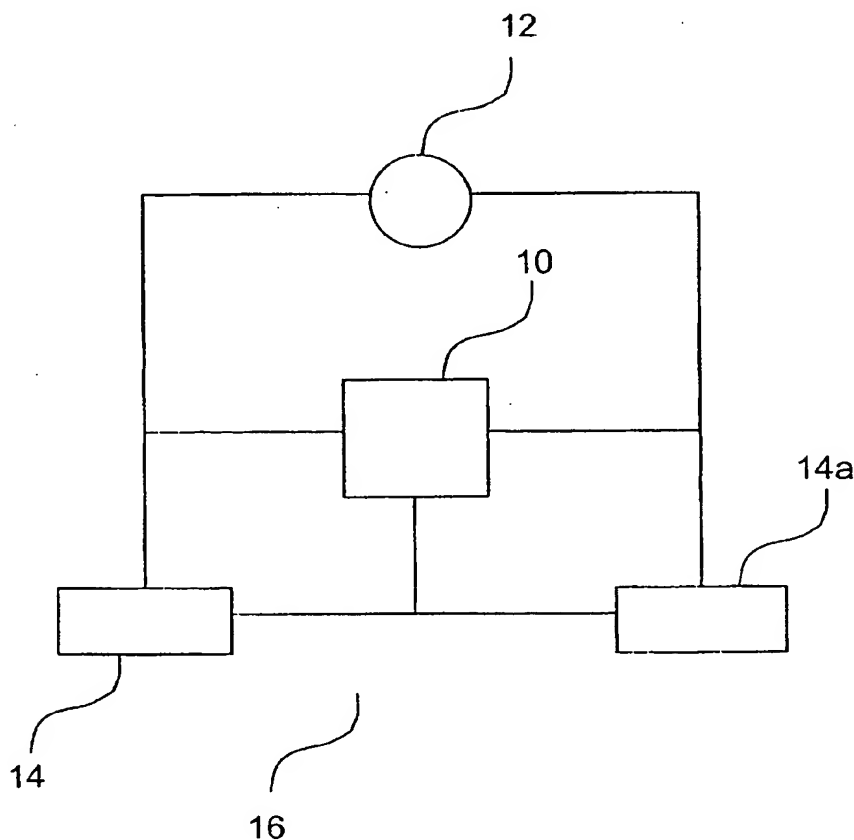
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(54) Title: METHOD AND DEVICE FOR MANAGING BATTERIES OF A BATTERY SYSTEM



(57) Abstract: Method for  
managing a battery system  
including a number of serially  
coupled batteries in a flexible,  
reliable, and cost effective way  
and that can be used in a wide  
variety of applications, such as  
tools, for example, hand tools, cars,  
boats, back-up systems, buses,  
trucks, golf carts, wheel chairs,  
electric cars and fork-lift trucks.  
The method includes the steps of  
detecting the battery voltage  
over each individual battery of  
the battery system; and utilizing  
a voltage imbalance between  
different batteries of the system  
during operation of the battery  
system. Furthermore, the method  
controls the voltage distribution  
of the batteries to create a voltage  
imbalance between different  
batteries of the battery system.



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